

```
cmd Command Prompt
C:\Users\Abdul-Aziz Tahir>docker run --rm -d --name apache -p 80:80 httpd:2.4
Unable to find image 'httpd:2.4' locally
2.4: Pulling from library/httpd
69692152171a: Pull complete
7284b4e0cc7b: Pull complete
3678b2d55ccd: Pull complete
aeb67982a725: Pull complete
06954f8169fd: Pull complete
Digest: sha256:48bae0ac5d0d75168f1c1282c0eb21b43302cb1b5c5dc9fa3b4a758ccfb36fe9
Status: Downloaded newer image for httpd:2.4
e6e8b6636a6f3623022e4e08b354171f282fcc4676981b5e3a0e5ade98408990

C:\Users\Abdul-Aziz Tahir>curl localhost
<html><body><h1>It works!</h1></body></html>

C:\Users\Abdul-Aziz Tahir>docker cp index.html apache:/usr/local/apache2/htdocs/
CreateFile C:\Users\Abdul-Aziz Tahir\index.html: The system cannot find the file specified.

C:\Users\Abdul-Aziz Tahir>call > index.html

C:\Users\Abdul-Aziz Tahir>docker cp index.html apache:/usr/local/apache2/htdocs/

C:\Users\Abdul-Aziz Tahir>curl localhost
<html><body><h1>It works in Docker!</h1></body></html>
C:\Users\Abdul-Aziz Tahir>docker stop apache
apache

C:\Users\Abdul-Aziz Tahir>docker run --rm -d --name apache -p 80:80 httpd:2.4
5a34f83dfffd8bd4b9638c20e441f41aa69eb023e2f24ae125c5b2e5cb3519b0b

C:\Users\Abdul-Aziz Tahir>curl localhost
<html><body><h1>It works!</h1></body></html>

C:\Users\Abdul-Aziz Tahir>docker volume ls
DRIVER      VOLUME NAME
local       209871f995fec5a5949dd7139126d52ad65e4d5e21be03f5a2a7512f406819ac

C:\Users\Abdul-Aziz Tahir>docker volume create myvolume
myvolume

C:\Users\Abdul-Aziz Tahir>docker volume ls
DRIVER      VOLUME NAME
local       209871f995fec5a5949dd7139126d52ad65e4d5e21be03f5a2a7512f406819ac
local       myvolume

C:\Users\Abdul-Aziz Tahir>docker volume rm myvolume
myvolume

C:\Users\Abdul-Aziz Tahir>docker volume ls
DRIVER      VOLUME NAME
```

---START OF EXERCISE 5---

Error: index.html was not made before the function call.

```
cmd Command Prompt
local      209871f995fec5a5949dd7139126d52ad65e4d5e21be03f5a2a7512f406819ac

C:\Users\Abdul-Aziz Tahil>docker volume create httpd_htdocs
httpd_htdocs

C:\Users\Abdul-Aziz Tahil>docker run --rm -d --name apache -p 80:80 -v httpd_htdocs:/usr/local/apache2/htdocs/ httpd:2.4
docker: Error response from daemon: Conflict. The container name "/apache" is already in use by container "5a34f83dffd8bd4b9638c20e441f41aa69eb023e2f24ae125c5b2e5cb3519b0b". You have to remove (or rename) that container to be able to reuse that name.
See 'docker run --help'.

C:\Users\Abdul-Aziz Tahil>docker volume rm 209871f995fec5a5949dd7139126d52ad65e4d5e21be03f5a2a7512f406819ac
209871f995fec5a5949dd7139126d52ad65e4d5e21be03f5a2a7512f406819ac

C:\Users\Abdul-Aziz Tahil>docker run --rm -d --name apache -p 80:80 -v httpd_htdocs:/usr/local/apache2/htdocs/ httpd:2.4
docker: Error response from daemon: Conflict. The container name "/apache" is already in use by container "5a34f83dffd8bd4b9638c20e441f41aa69eb023e2f24ae125c5b2e5cb3519b0b". You have to remove (or rename) that container to be able to reuse that name.
See 'docker run --help'.

C:\Users\Abdul-Aziz Tahil>docker volume ls
DRIVER      VOLUME NAME
local      httpd_htdocs

C:\Users\Abdul-Aziz Tahil>docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS                               NAMES
5a34f83dffd8   httpd:2.4 "httpd-foreground"      2 minutes ago Up 2 minutes   0.0.0.0:80->80/tcp, :::80->80/tcp   apache

C:\Users\Abdul-Aziz Tahil>docker stop 5a34
5a34

C:\Users\Abdul-Aziz Tahil>docker ps -a
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS                               NAMES
6e0ce896ca1a   ubuntu:16.04 "/bin/bash"             2 hours ago   Exited (1) 2 hours ago              wizardly_greider

C:\Users\Abdul-Aziz Tahil>docker run --rm -d --name apache -p 80:80 -v httpd_htdocs:/usr/local/apache2/htdocs/ httpd:2.4
ffe3738fb689bb0b0fa680abaeb3950c1884d0b8541032326b987074ea0f3806

C:\Users\Abdul-Aziz Tahil>docker cp index.html apache:/usr/local/apache2/htdocs/

C:\Users\Abdul-Aziz Tahil>curl localhost
<html><body><h1>It works in Docker!</h1></body></html>

C:\Users\Abdul-Aziz Tahil>docker stop apache
apache

C:\Users\Abdul-Aziz Tahil>docker run --rm -d --name apache -p 80:80 -v httpd_htdocs:/usr/local/apache2/htdocs/ httpd:2.4
074cd043692b31bc9582e0907e823e51908471560601ef0cd4adfb1cb8ee0410

C:\Users\Abdul-Aziz Tahil>curl localhost
<html><body><h1>It works in Docker!</h1></body></html>

C:\Users\Abdul-Aziz Tahil>pwd
'pwd' is not recognized as an internal or external command,
```

Error: /apache is already in use by a container.

Solution: container using /apache is removed.

operable program or batch file.

C:\Users\Abdul-Aziz Tahil>cd

C:\Users\Abdul-Aziz Tahil

C:\Users\Abdul-Aziz Tahil>docker run --rm -d --name apache -p 80:80 -v C:\Users\Abdul-Aziz Tahil:/usr/local/apache2/htdocs/ httpd:2.4

docker: invalid reference format: repository name must be lowercase.

See 'docker run --help'.

C:\Users\Abdul-Aziz Tahil>

---END OF EXERCISE 5---

Error: local directory has uppercase letters in path.